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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	4	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS	5	FEB 05	German (DE) application and patent publication number format changes
NEWS	6	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 03	FRANCEPAT now available on STN
NEWS	9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29	WPIFV now available on STN
NEWS	11	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	12	APR 26	PROMT: New display field available
NEWS	13	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	14	APR 26	LITALERT now available on STN
NEWS	15	APR 27	NLDB: New search and display fields available
NEWS	16	May 10	PROUSDDR now available on STN
NEWS	17	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS	18	May 12	EXTEND option available in structure searching
NEWS	19	May 12	Polymer links for the POLYLINK command completed in REGISTRY

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:56:03 ON 14 MAY 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:56:29 ON 14 MAY 2004
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STRUCTURE FILE UPDATES: 12 MAY 2004 HIGHEST RN 681425-81-0
DICTIONARY FILE UPDATES: 12 MAY 2004 HIGHEST RN 681425-81-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

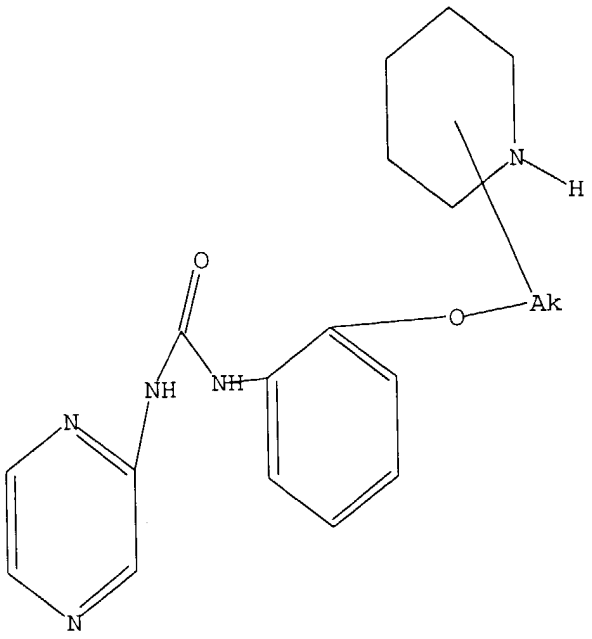
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading c:\program files\stnexp\queries\10087717.15

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full
FULL SEARCH INITIATED 07:57:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 474 TO ITERATE

100.0% PROCESSED 474 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L2 2 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

FILE 'CAPLUS' ENTERED AT 07:57:15 ON 14 MAY 2004
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FILE COVERS 1907 - 14 May 2004 VOL 140 ISS 21
FILE LAST UPDATED: 13 May 2004 (20040513/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2
L3 1 L2

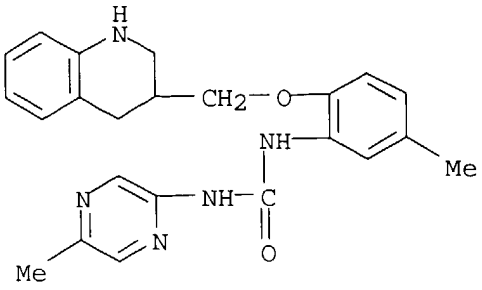
=> d l3 fbib hitstr abs total

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:695962 CAPLUS
DN 137:232680
TI Preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication
IN Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John Joseph; Cook, Adam Wade; Cowen, Scott Douglas; Burgess, Laurence Edward
PA Icos Corporation, USA
SO PCT Int. Appl., 236 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

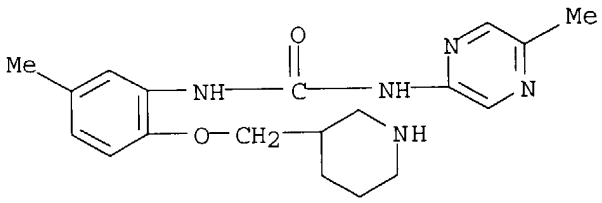
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002070494	A1	20020912	WO 2002-US6452	20020301
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2001-273124PP	20010302
US 2003069284	A1	20030410	US 2002-87715	20020301
			US 2001-273124PP	20010302
EP 1379510	A1	20040114	EP 2002-728396	20020301
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			US 2001-273124PP	20010302
			WO 2002-US6452 W	20020301
NO 2003003858	A	20031010	NO 2003-3858	20030901
			US 2001-273124PP	20010302
			WO 2002-US6452 W	20020301

OS MARPAT 137:232680
IT **457098-89-4P**, 1-(5-Methylpyrazin-2-yl)-3-[5-methyl-2-(1,2,3,4-tetrahydroquinolin-3-ylmethoxy)phenyl]urea **457099-03-5P**, 1-[5-Methyl-2-(piperidin-3-ylmethoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and

conditions related to DNA damage or lesions in DNA replication)
RN 457098-89-4 CAPLUS
CN Urea, N-(5-methylpyrazinyl)-N'-[5-methyl-2-[(1,2,3,4-tetrahydro-3-quinolinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 457099-03-5 CAPLUS
CN Urea, N-[5-methyl-2-(3-piperidinylmethoxy)phenyl]-N'-(5-methylpyrazinyl)- (9CI) (CA INDEX NAME)



AB Aryl- and heteroaryl substituted urea compds. (W'NHC(:Y')N(R13)Z'; 1) useful in the treatment of diseases and conditions related to DNA damage or lesions in DNA replication are disclosed. In 1, W' is a six-membered aromatic ring containing at least 2 nitrogen atoms (e.g. pyrazinyl, pyrimidinyl, pyridazinyl, 1,2,4-triazinyl, quinoxalinyl) and optionally substituted as defined in the claims, Z' is a five- or six membered aromatic or heteroarom. ring as defined in the claims, Y' is O or S. The first claim contains a much more general formula WX1C(:Y)X2Z (e.g. X1 = null, O, S, CH2, NR1; X2 = O, S, NR1) but emphasis is on 1. Methods of making the compds., and their use as therapeutic agents, for example, in treating cancer and other diseases characterized by defects in DNA replication, chromosome segregation, or cell division also are described. Although the methods of preparation are not claimed, about 200 example prepns. are included. N-(2-methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea and N-(4-chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea enhanced the killing of various human cells by 5-fluorouracil from 2- to 10-fold; in HeLa cells, these same compds. enhanced killing by irradiation 2-3 fold.
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.19	160.82

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.69	-0.69

STN INTERNATIONAL LOGOFF AT 07:57:53 ON 14 MAY 2004

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LOGINID:ssspta1611sxp

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
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NEWS	8	MAR 03	FRANCEPAT now available on STN
NEWS	9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29	WPIFV now available on STN
NEWS	11	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	12	APR 26	PROMT: New display field available
NEWS	13	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	14	APR 26	LITALERT now available on STN
NEWS	15	APR 27	NLDB: New search and display fields available
NEWS	16	May 10	PROUSDDR now available on STN
NEWS	17	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS	18	May 12	EXTEND option available in structure searching
NEWS	19	May 12	Polymer links for the POLYLINK command completed in REGISTRY

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:03:49 ON 14 MAY 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:04:00 ON 14 MAY 2004
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STRUCTURE FILE UPDATES: 12 MAY 2004 HIGHEST RN 681425-81-0
DICTIONARY FILE UPDATES: 12 MAY 2004 HIGHEST RN 681425-81-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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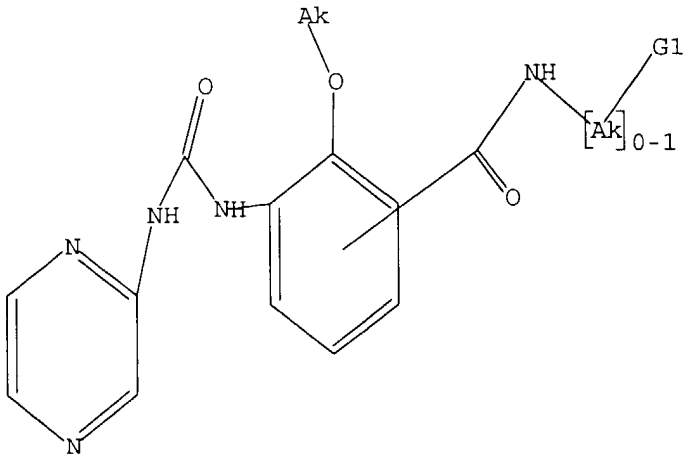
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading c:\program files\stnexp\queries\10087715.16

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 N,NH,NH2,Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sss full
FULL SEARCH INITIATED 08:04:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    118 TO ITERATE

100.0% PROCESSED     118 ITERATIONS                          70 ANSWERS
SEARCH TIME: 00.00.01

L2            70 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             155.42     155.63

FILE 'CAPLUS' ENTERED AT 08:04:34 ON 14 MAY 2004
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```
FILE COVERS 1907 - 14 May 2004  VOL 140 ISS 21
FILE LAST UPDATED: 13 May 2004  (20040513/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s l2
L3            1 L2

=> d l3 fbib hitstr abs total

L3   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:695962  CAPLUS
DN   137:232680
TI   Preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use
     as radiosensitizers and chemosensitizers for treating diseases and
     conditions related to DNA damage or lesions in DNA replication
IN   Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John Joseph; Cook, Adam
     Wade; Cowen, Scott Douglas; Burgess, Laurence Edward
PA   Icos Corporation, USA
SO   PCT Int. Appl., 236 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
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FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002070494	A1	20020912	WO 2002-US6452	20020301
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				US 2001-273124PP	20010302
	US 2003069284	A1	20030410	US 2002-87715	20020301
				US 2001-273124PP	20010302
	EP 1379510	A1	20040114	EP 2002-728396	20020301
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
				US 2001-273124PP	20010302
				WO 2002-US6452 W	20020301
	NO 2003003858	A	20031010	NO 2003-3858	20030901
				US 2001-273124PP	20010302
				WO 2002-US6452 W	20020301

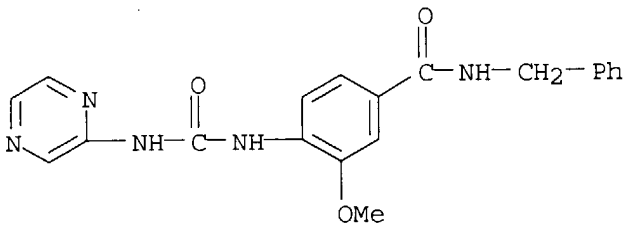
OS MARPAT 137:232680

IT **457096-87-6P**, N-Benzyl-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-89-8P**, 3-Methoxy-N-phenethyl-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-90-1P**, 3-Methoxy-N-(3-phenylpropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-95-6P**, N-(4-Iodobenzyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457096-97-8P 457096-99-0P**, 3-Methoxy-4-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-4-yl)ethyl)benzamide **457097-01-7P**, N-(1H-Benzimidazol-2-ylmethyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-04-0P 457097-05-1P**, 3-Methoxy-N-[3-(methylphenylamino)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-08-4P 457097-10-8P**, N-((3R)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-13-1P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-18-6P**, 3-Methoxy-N-(3-methylaminopropyl)-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-21-1P**, N-(3-Dimethylaminopropyl)-3-methoxy-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-25-5P**, 3-Methoxy-N-(3-(morpholin-4-yl)propyl)-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-27-7P**, 3-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-4-(3-(pyrazin-2-yl)ureido)benzamide **457097-29-9P**, [2-[3-Methoxy-4-(3-(pyrazin-2-yl)ureido)benzoylamino]ethyl]trimethylammonium chloride **457097-36-8P**, N-Benzyl-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-37-9P**, 4-Methoxy-N-phenethyl-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-38-0P**, 4-Methoxy-N-(3-phenylpropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-40-4P**, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-2-yl)ethyl)benzamide **457097-41-5P**, 4-Methoxy-3-(3-(pyrazin-2-yl)ureido)-N-(2-(pyridin-4-yl)ethyl)benzamide **457097-42-6P**, N-(1H-Benzimidazol-2-ylmethyl)-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-43-7P**, N-[2-(1H-Indol-3-yl)ethyl]-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-44-8P**, 4-Methoxy-N-[3-(methylphenylamino)propyl]-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-45-9P 457097-47-1P**,

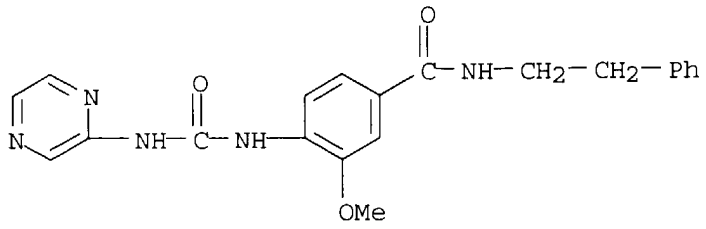
4-Methoxy-N-(3-methylaminopropyl)-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-48-2P**, N-(3-Dimethylaminopropyl)-4-methoxy-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-50-6P**, 4-Methoxy-N-[3-(4-methylpiperazin-1-yl)propyl]-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-51-7P**, [2-[4-Methoxy-3-(3-(pyrazin-2-yl)ureido)benzoylamino]ethyl]trimethylammonium chloride **457097-52-8P**, 4-Methoxy-N-(3-(morpholin-4-yl)propyl)-3-(3-(pyrazin-2-yl)ureido)benzamide **457097-57-3P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(pyridin-2-yl)ethyl)benzamide **457097-59-5P**, N-(1-Benzylpiperidin-4-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-61-9P**, N-(3-Dimethylaminopropyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-63-1P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(3-(morpholin-4-yl)propyl)benzamide **457097-65-3P**, N-(2-(Dimethylamino)-2-phenylethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-68-6P**, N-(2-(Dimethylamino)-1-phenylethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-70-0P**, N-(1-Azabicyclo[2.2.2]oct-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-71-1P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-(pyridin-2-yl)methylpyrrolidin-3-yl)benzamide **457097-74-4P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-methylpyrrolidin-3-yl)benzamide **457097-76-6P**, N-((3R)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-77-7P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide **457097-79-9P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide **457097-81-3P**, N-((3R)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-83-5P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-84-6P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-2-yl)methyl]pyrrolidin-3-yl)benzamide **457097-86-8P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-3-yl)methyl]pyrrolidin-3-yl)benzamide **457097-87-9P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3S)-1-[(pyridin-4-yl)methyl]pyrrolidin-3-yl)benzamide **457097-90-4P**, N-((3S)-1-Cyclohexylmethylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-92-6P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-trifluoromethoxybenzamide **457097-97-1P**, N-(1-Benzylpiperidin-4-ylmethyl)-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457097-98-2P**, N-[(3S)-1-(4-Fluorobenzyl)pyrrolidin-3-yl]-3-methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-04-3P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-methoxy-4-[3-(5-trifluoromethylpyrazin-2-yl)ureido]benzamide **457098-08-7P**, 5-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(pyridin-2-yl)ethyl)-2-trifluoromethylbenzamide **457098-23-6P**, N-Benzyl-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-25-8P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-(2-(morpholin-4-yl)ethyl)benzamide **457098-26-9P**, 3-(3-Dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]benzamide **457098-27-0P**, N-(2-Dimethylaminoethyl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-28-1P**, N-((3S)-1-Benzylpyrrolidin-3-yl)-3-(3-dimethylaminopropoxy)-4-[3-(5-methylpyrazin-2-yl)ureido]benzamide **457098-32-7P**, N-Benzyl-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-34-9P**, 4-[3-(5-Methylpyrazin-2-

yl)ureido]-N-(2-(morpholin-4-yl)ethyl)-3-(pyridin-3-ylmethoxy)benzamide **457098-35-0P**, 4-[3-(5-Methylpyrazin-2-yl)ureido]-N-[2-(1-methylpyrrolidin-2-yl)ethyl]-3-(pyridin-3-ylmethoxy)benzamide **457098-36-1P**, N-(2-Dimethylaminoethyl)-4-[3-(5-methylpyrazin-2-yl)ureido]-3-(pyridin-3-ylmethoxy)benzamide **457098-37-2P** **457099-93-3P**, N-(2-Methoxy-3-((2-(4-morpholinyl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea **457099-94-4P**, N-(2-Methoxy-3-((2-(1-methylpyrrolidin-2-yl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea **457099-96-6P**, N-(2-Methoxy-4-((2-(4-morpholinyl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea **457099-97-7P**, N-(2-Methoxy-4-((2-(1-methylpyrrolidin-2-yl)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea **457099-98-8P**, N-(2-Methoxy-4-((2-((methylsulfonyl)amino)ethyl)carbamoyl)phenyl)-N'-(2-pyrazinyl)urea **458523-51-8P**, 3-Methoxy-4-[3-(5-methylpyrazin-2-yl)ureido]-N-((3R)-1-[(thiophen-2-yl)methyl]pyrrolidin-3-yl)benzamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

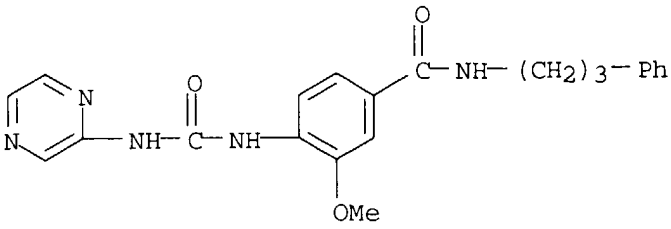
RN 457096-87-6 CAPLUS
CN Benzamide, 3-methoxy-N-(phenylmethyl)-4-[[(pyrazinylamino)carbonyl]amino]-(9CI) (CA INDEX NAME)



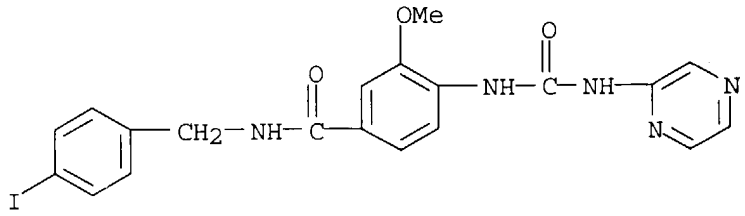
RN 457096-89-8 CAPLUS
CN Benzamide, 3-methoxy-N-(2-phenylethyl)-4-[[(pyrazinylamino)carbonyl]amino]-(9CI) (CA INDEX NAME)



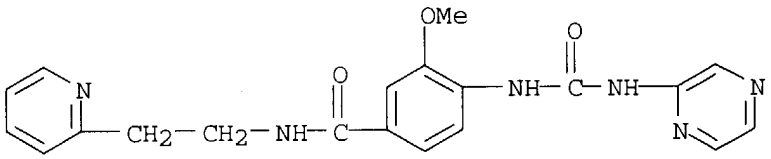
RN 457096-90-1 CAPLUS
CN Benzamide, 3-methoxy-N-(3-phenylpropyl)-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



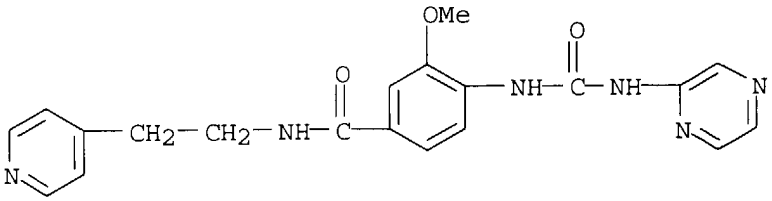
RN 457096-95-6 CAPLUS
CN Benzamide, N-[(4-iodophenyl)methyl]-3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



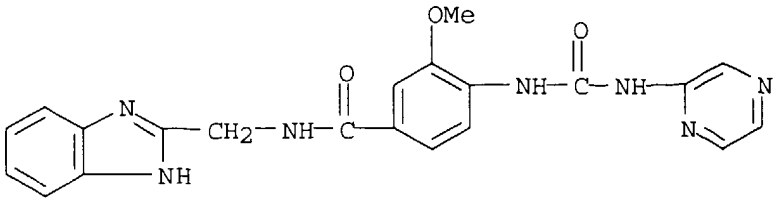
RN 457096-97-8 CAPLUS
CN Benzamide, 3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



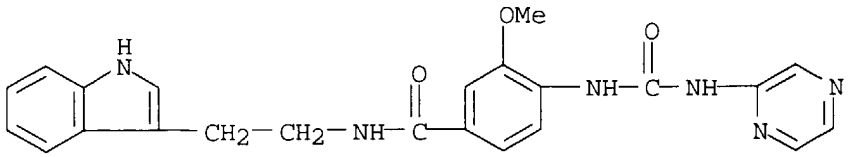
RN 457096-99-0 CAPLUS
CN Benzamide, 3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]-N-[2-(4-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



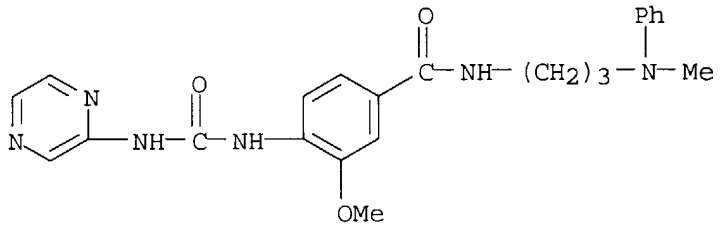
RN 457097-01-7 CAPLUS
CN Benzamide, N-(1H-benzimidazol-2-ylmethyl)-3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-04-0 CAPLUS
CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-05-1 CAPLUS
CN Benzamide, 3-methoxy-N-[3-(methylphenylamino)propyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-08-4 CAPLUS
CN Benzamide, 3-methoxy-N-[1-(phenylmethyl)-3-pyrrolidinyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

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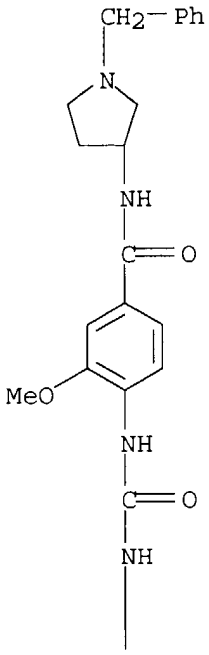
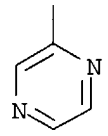
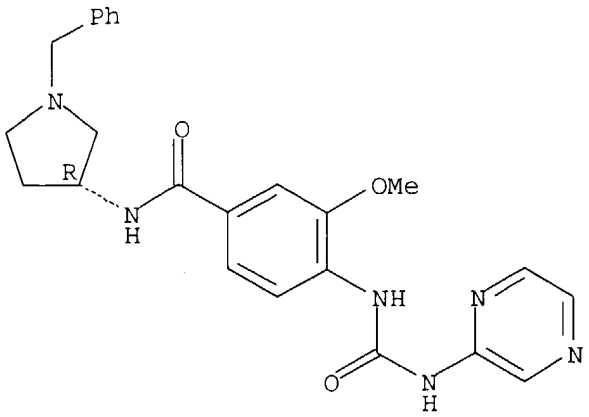


PAGE 2-A



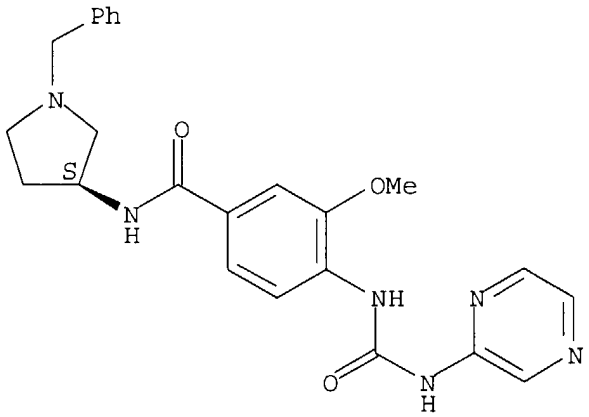
RN 457097-10-8 CAPLUS
CN Benzamide, 3-methoxy-N-[(3R)-1-(phenylmethyl)-3-pyrrolidinyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

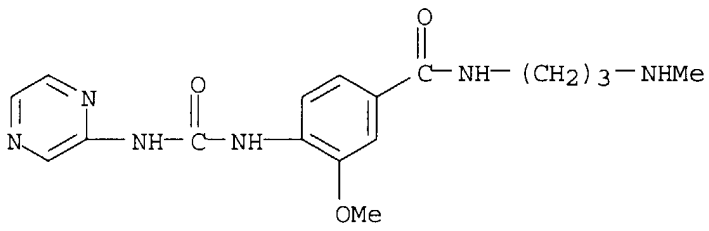


RN 457097-13-1 CAPLUS
CN Benzamide, 3-methoxy-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

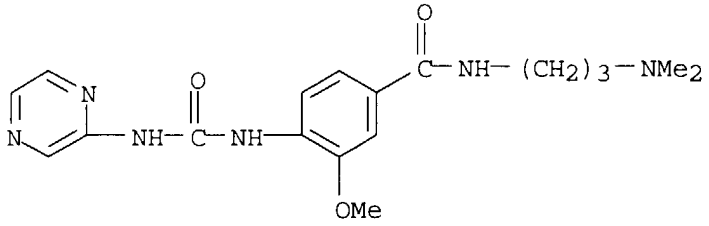
Absolute stereochemistry.



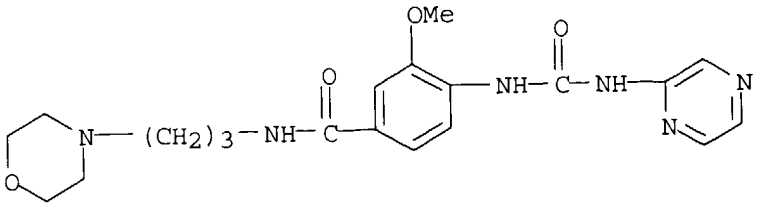
RN 457097-18-6 CAPLUS
CN Benzamide, 3-methoxy-N-[3-(methylamino)propyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



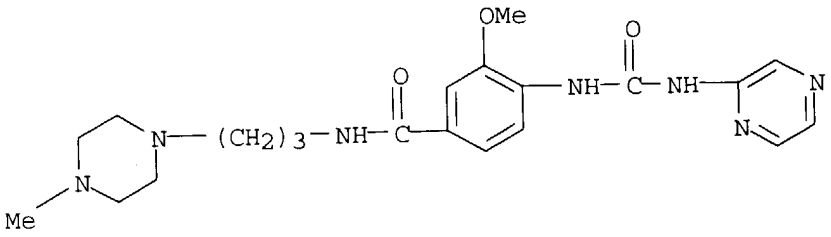
RN 457097-21-1 CAPLUS
CN Benzamide, N-[3-(dimethylamino)propyl]-3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



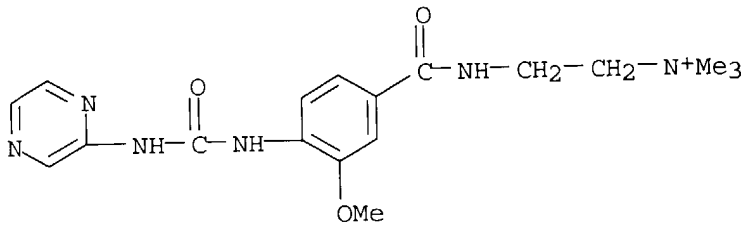
RN 457097-25-5 CAPLUS
CN Benzamide, 3-methoxy-N-[3-(4-morpholinyl)propyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-27-7 CAPLUS
CN Benzamide, 3-methoxy-N-[3-(4-methyl-1-piperazinyl)propyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

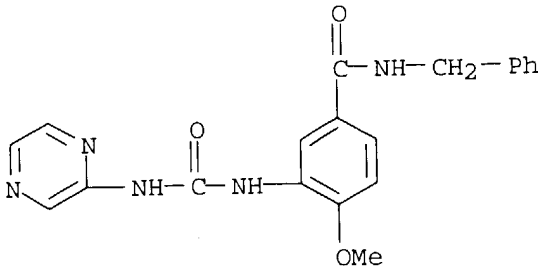


RN 457097-29-9 CAPLUS
CN Ethanaminium, 2-[[3-methoxy-4-[[(pyrazinylamino)carbonyl]amino]benzoyl]amino]-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)

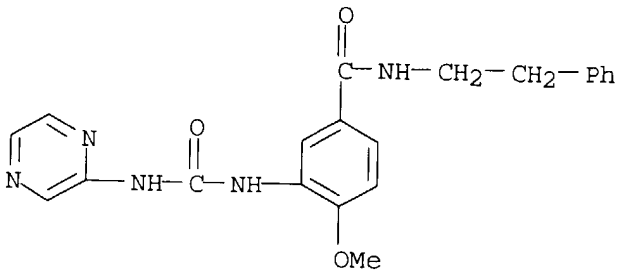


● Cl⁻

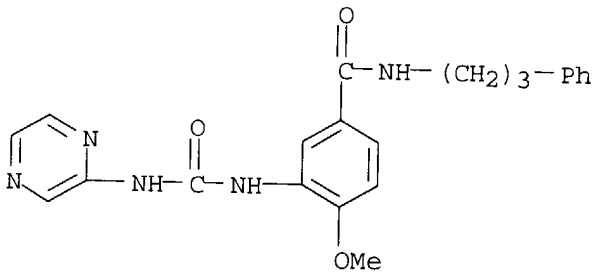
RN 457097-36-8 CAPLUS
CN Benzamide, 4-methoxy-N-(phenylmethyl)-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



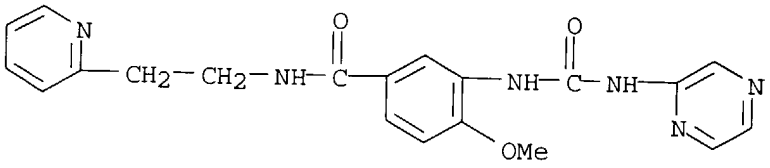
RN 457097-37-9 CAPLUS
CN Benzamide, 4-methoxy-N-(2-phenylethyl)-3-[[(pyrazinylamino)carbonyl]amino]-(9CI) (CA INDEX NAME)



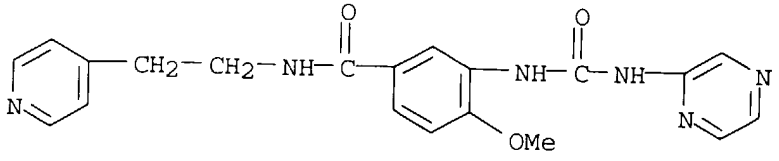
RN 457097-38-0 CAPLUS
CN Benzamide, 4-methoxy-N-(3-phenylpropyl)-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



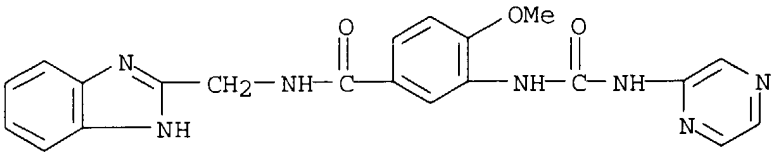
RN 457097-40-4 CAPLUS
CN Benzamide, 4-methoxy-3-[[(pyrazinylamino)carbonyl]amino]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



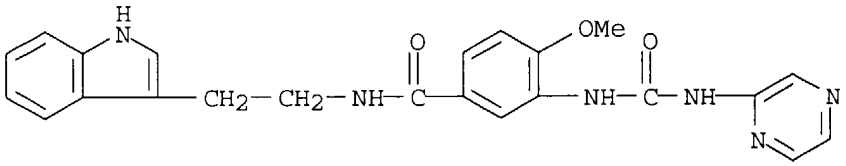
RN 457097-41-5 CAPLUS
CN Benzamide, 4-methoxy-3-[[(pyrazinylamino)carbonyl]amino]-N-[2-(4-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



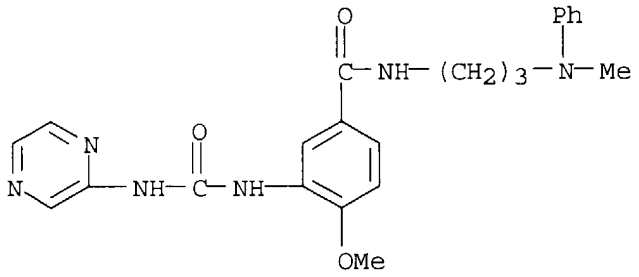
RN 457097-42-6 CAPLUS
CN Benzamide, N-(1H-benzimidazol-2-ylmethyl)-4-methoxy-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



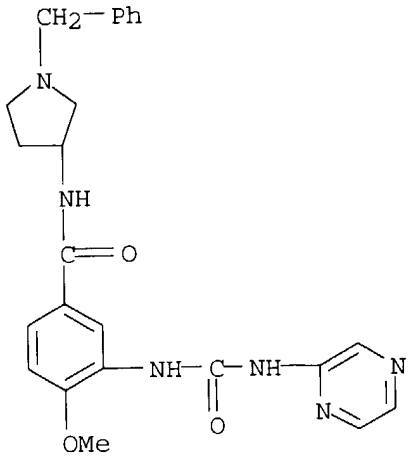
RN 457097-43-7 CAPLUS
CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-4-methoxy-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



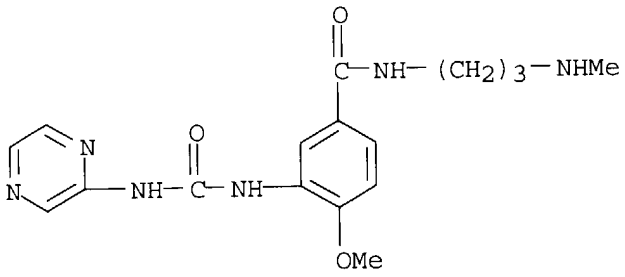
RN 457097-44-8 CAPLUS
CN Benzamide, 4-methoxy-N-[3-(methylphenylamino)propyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



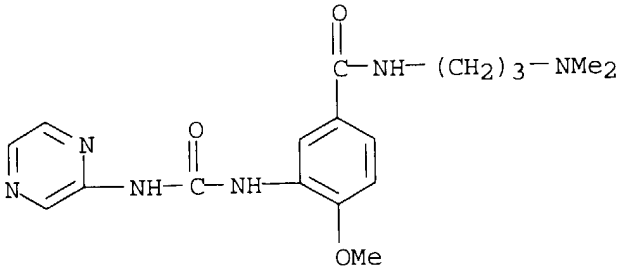
RN 457097-45-9 CAPLUS
CN Benzamide, 4-methoxy-N-[1-(phenylmethyl)-3-pyrrolidinyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



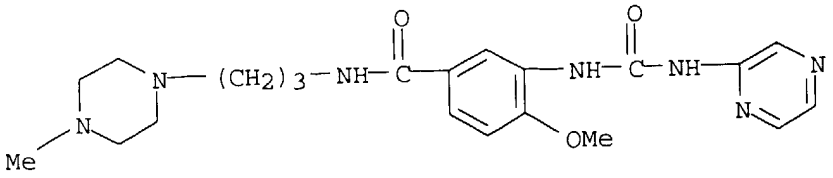
RN 457097-47-1 CAPLUS
CN Benzamide, 4-methoxy-N-[3-(methylamino)propyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



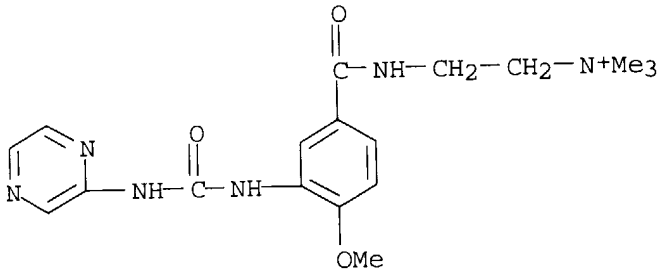
RN 457097-48-2 CAPLUS
CN Benzamide, N-[3-(dimethylamino)propyl]-4-methoxy-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-50-6 CAPLUS
CN Benzamide, 4-methoxy-N-[3-(4-methyl-1-piperazinyl)propyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

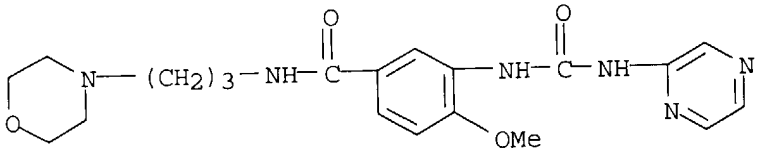


RN 457097-51-7 CAPLUS
CN Ethanaminium, 2-[[4-methoxy-3-[[(pyrazinylamino)carbonyl]amino]benzoyl]amino]-N,N,N-trimethyl-, chloride (9CI) (CA INDEX NAME)

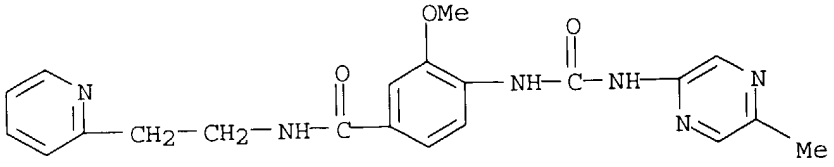


● Cl⁻

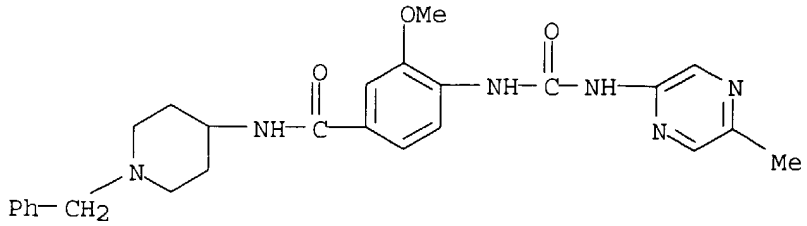
RN 457097-52-8 CAPLUS
CN Benzamide, 4-methoxy-N-[3-(4-morpholinyl)propyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



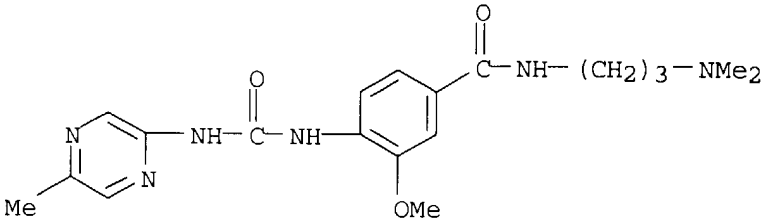
RN 457097-57-3 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



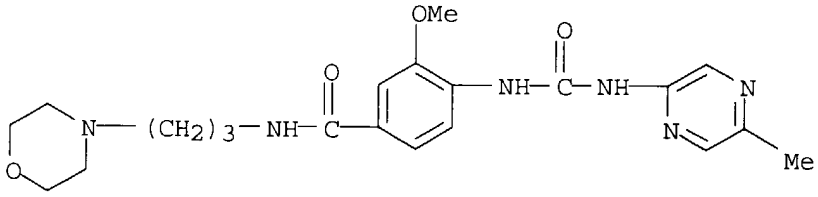
RN 457097-59-5 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[1-(phenylmethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



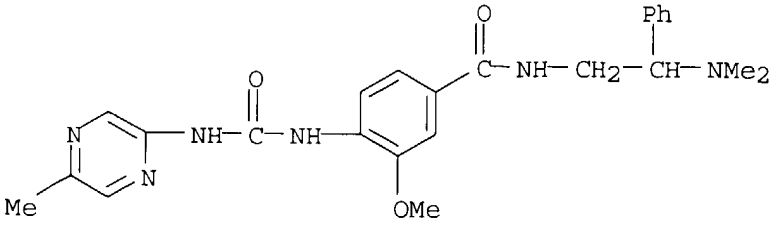
RN 457097-61-9 CAPLUS
CN Benzamide, N-[3-(dimethylamino)propyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



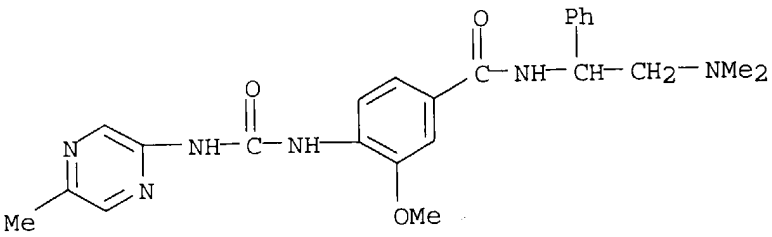
RN 457097-63-1 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[3-(4-morpholinyl)propyl]- (9CI) (CA INDEX NAME)



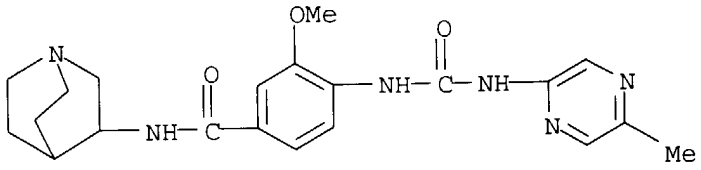
RN 457097-65-3 CAPLUS
CN Benzamide, N-[2-(dimethylamino)-2-phenylethyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457097-68-6 CAPLUS
CN Benzamide, N-[2-(dimethylamino)-1-phenylethyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

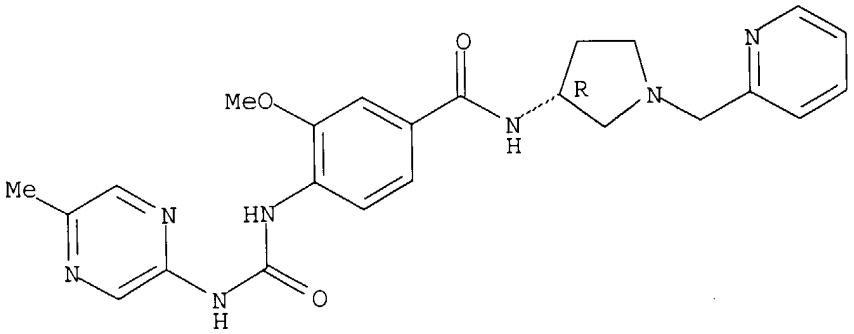


RN 457097-70-0 CAPLUS
CN Benzamide, N-1-azabicyclo[2.2.2]oct-3-yl-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



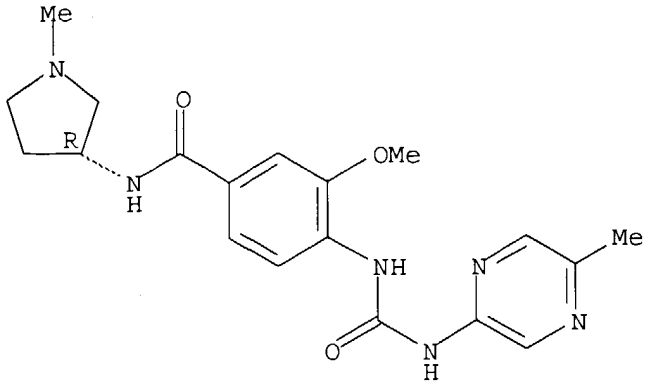
RN 457097-71-1 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(2-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



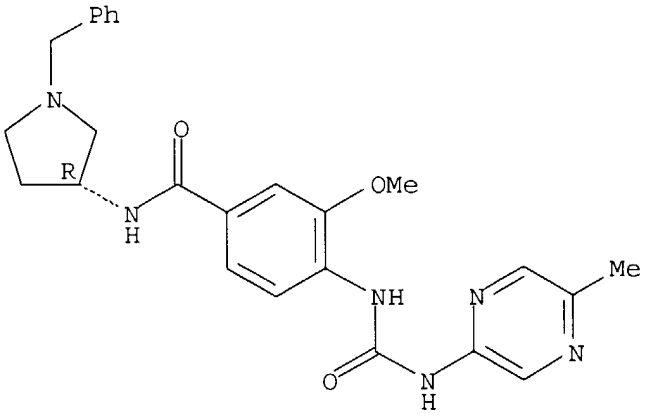
RN 457097-74-4 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-methyl-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



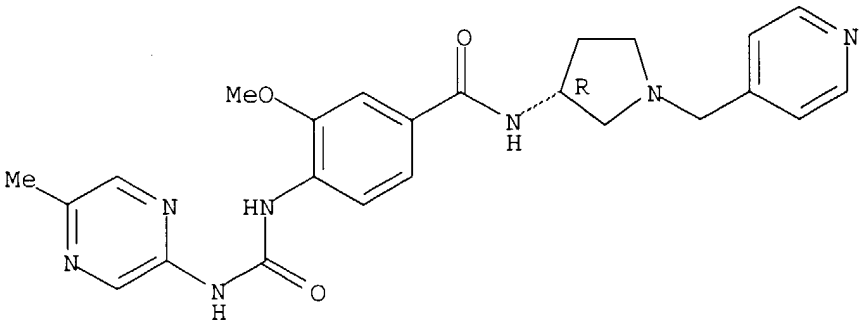
RN 457097-76-6 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



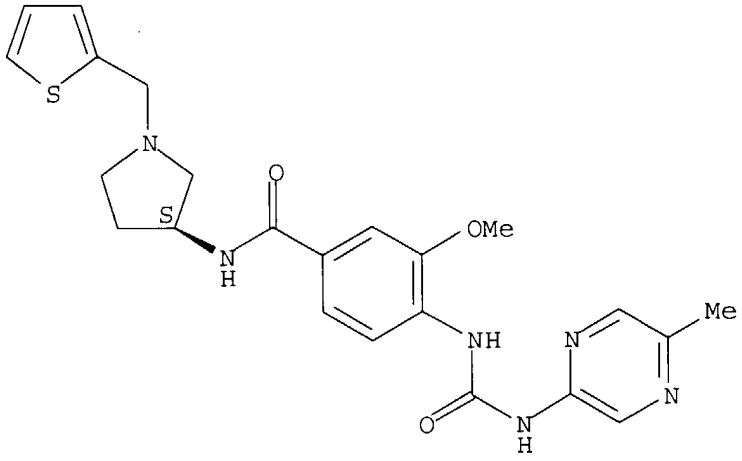
RN 457097-77-7 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(4-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



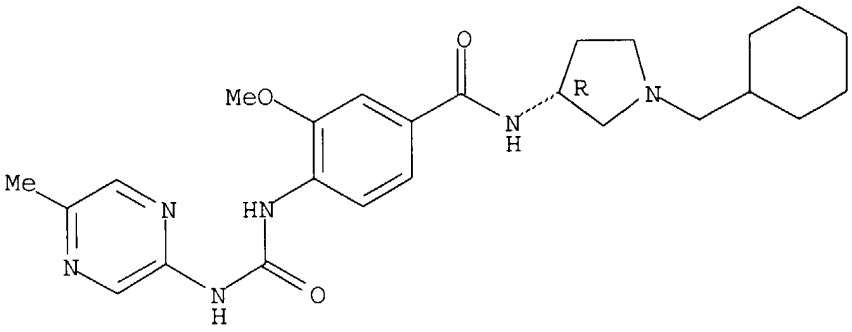
RN 457097-79-9 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(2-thienylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



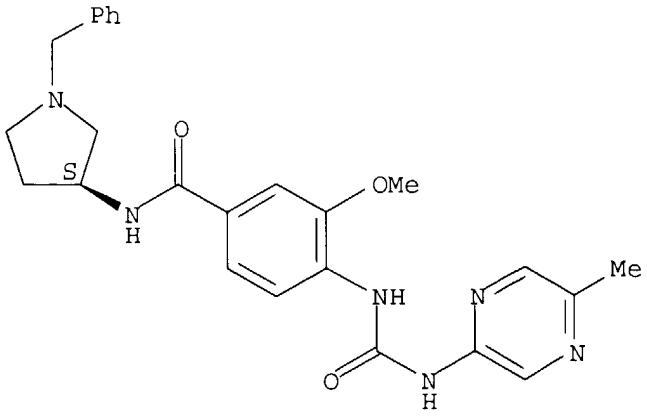
RN 457097-81-3 CAPLUS
CN Benzamide, N-[(3R)-1-(cyclohexylmethyl)-3-pyrrolidinyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



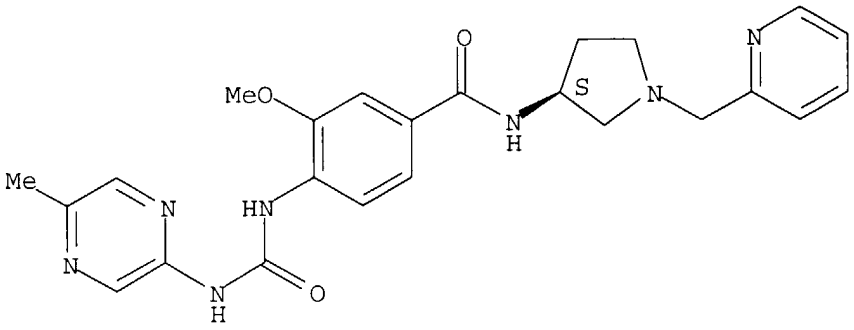
RN 457097-83-5 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



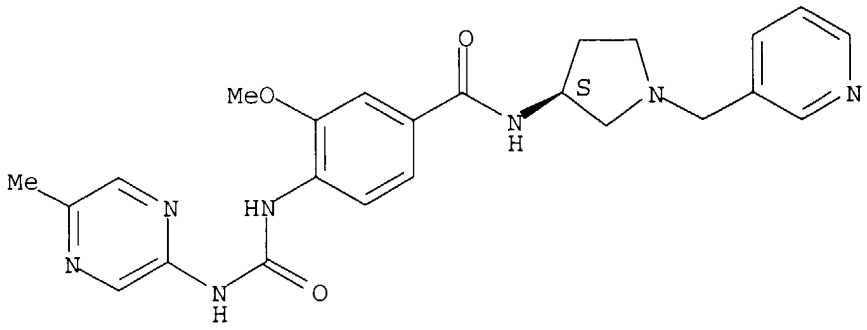
RN 457097-84-6 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(2-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



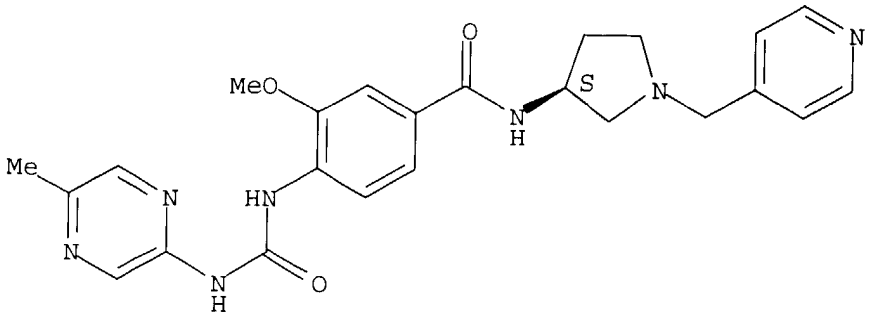
RN 457097-86-8 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(3-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



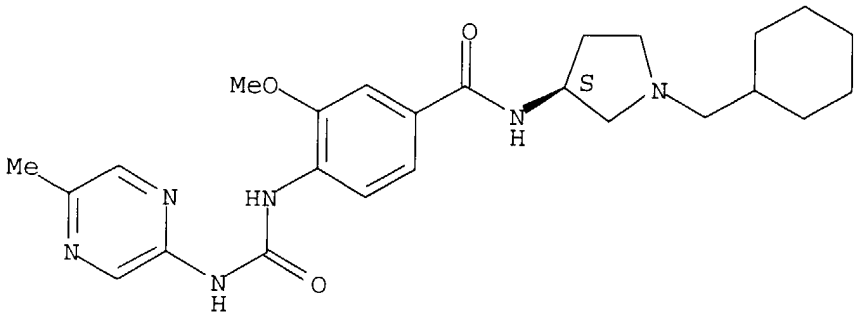
RN 457097-87-9 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(4-pyridinylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



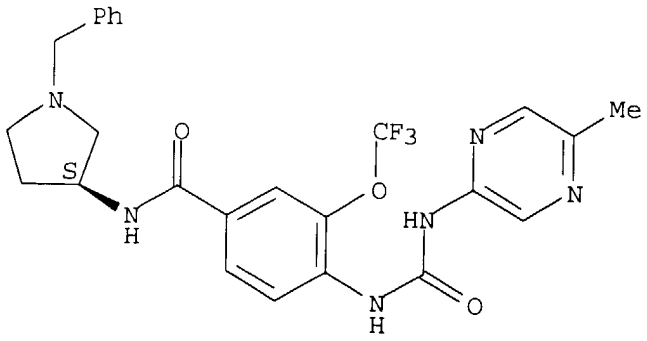
RN 457097-90-4 CAPLUS
CN Benzamide, N-[(3S)-1-(cyclohexylmethyl)-3-pyrrolidinyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



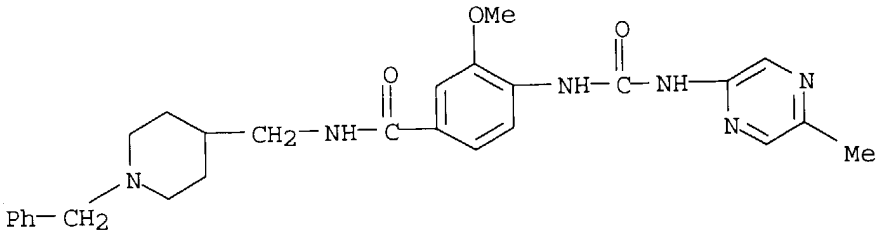
RN 457097-92-6 CAPLUS
CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-3-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



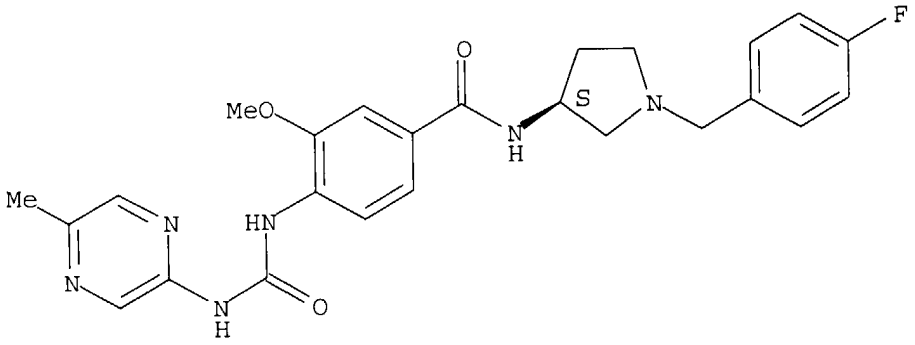
RN 457097-97-1 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[[1-

(phenylmethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



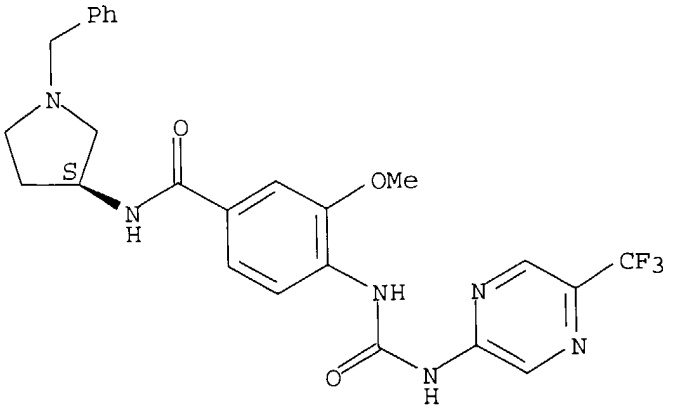
RN 457097-98-2 CAPLUS
CN Benzamide, N-[(3S)-1-[(4-fluorophenyl)methyl]-3-pyrrolidinyl]-3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



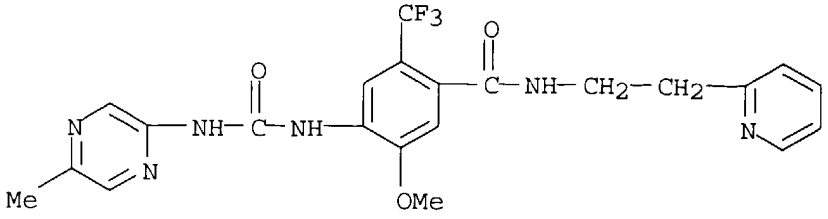
RN 457098-04-3 CAPLUS
CN Benzamide, 3-methoxy-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-4-[[[[5-(trifluoromethyl)pyrazinyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

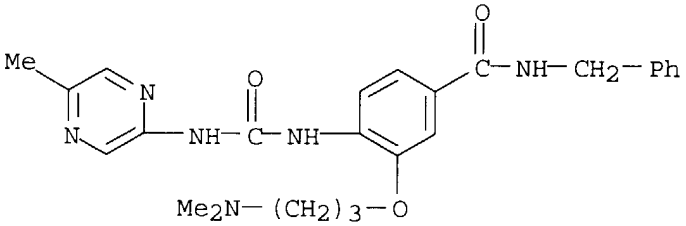


RN 457098-08-7 CAPLUS
CN Benzamide, 5-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(2-

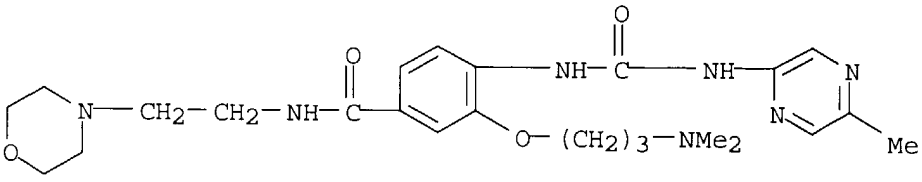
pyridinyl)ethyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



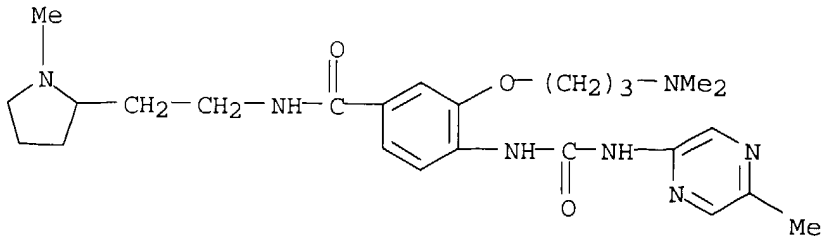
RN 457098-23-6 CAPLUS
CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



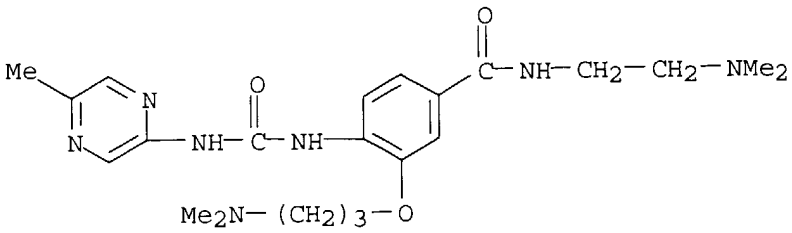
RN 457098-25-8 CAPLUS
CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 457098-26-9 CAPLUS
CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(1-methyl-2-pyrrolidinyl)ethyl]- (9CI) (CA INDEX NAME)

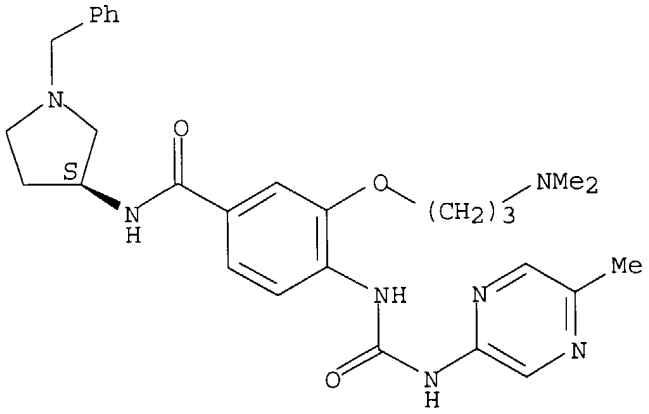


RN 457098-27-0 CAPLUS
CN Benzamide, N-[2-(dimethylamino)ethyl]-3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

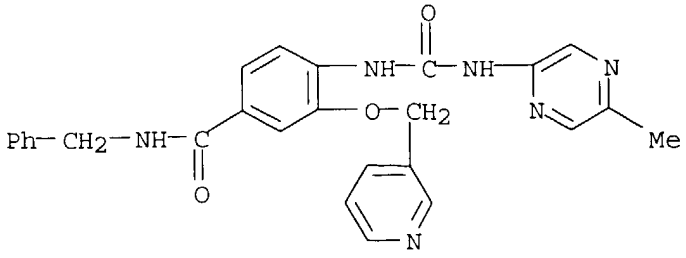


RN 457098-28-1 CAPLUS
CN Benzamide, 3-[3-(dimethylamino)propoxy]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

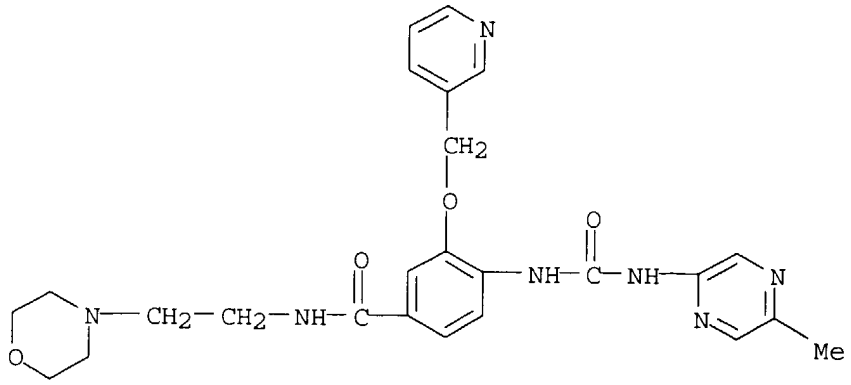
Absolute stereochemistry.



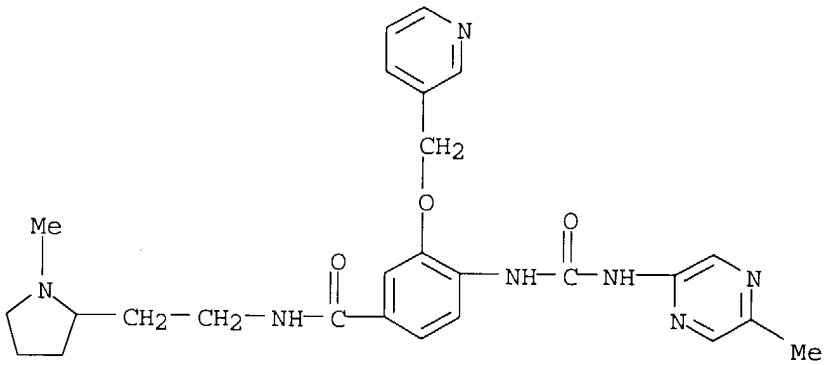
RN 457098-32-7 CAPLUS
CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-(phenylmethyl)-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



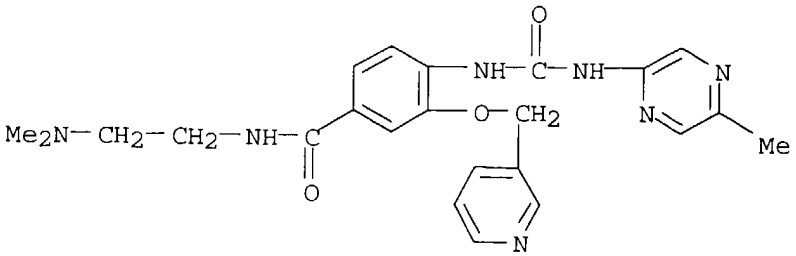
RN 457098-34-9 CAPLUS
CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(4-morpholinyl)ethyl]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)



RN 457098-35-0 CAPLUS
CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[2-(1-methyl-2-pyrrolidinyl)ethyl]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)

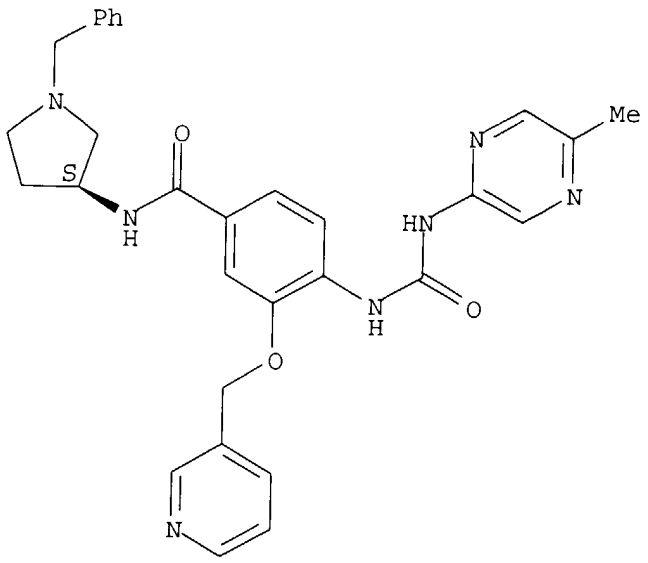


RN 457098-36-1 CAPLUS
CN Benzamide, N-[2-(dimethylamino)ethyl]-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)

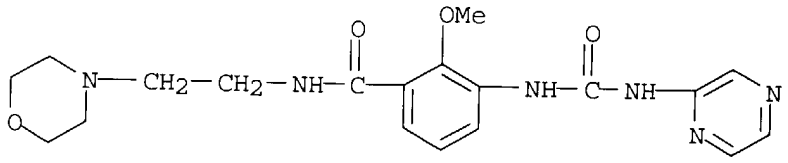


RN 457098-37-2 CAPLUS
CN Benzamide, 4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]-3-(3-pyridinylmethoxy)- (9CI) (CA INDEX NAME)

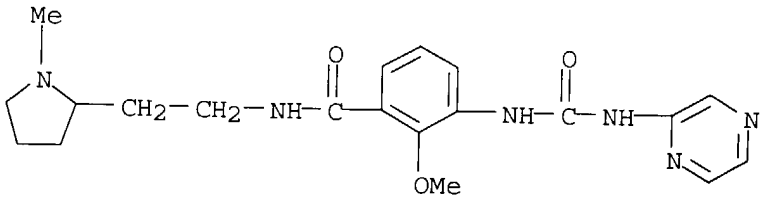
Absolute stereochemistry.



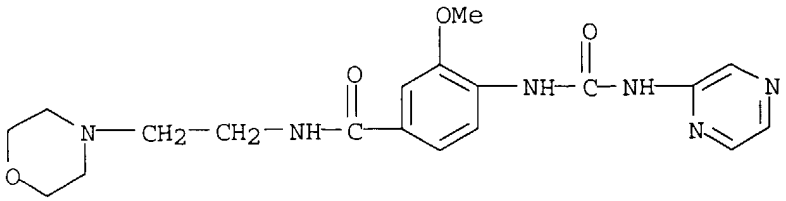
RN 457099-93-3 CAPLUS
CN Benzamide, 2-methoxy-N-[2-(4-morpholinyl)ethyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



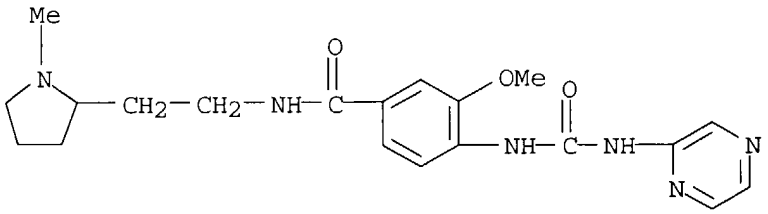
RN 457099-94-4 CAPLUS
CN Benzamide, 2-methoxy-N-[2-(1-methyl-2-pyrrolidinyl)ethyl]-3-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



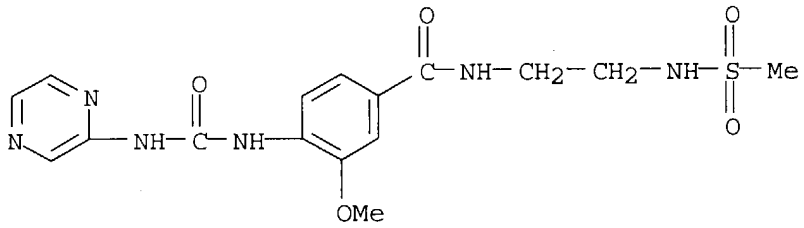
RN 457099-96-6 CAPLUS
CN Benzamide, 3-methoxy-N-[2-(4-morpholinyl)ethyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 457099-97-7 CAPLUS
CN Benzamide, 3-methoxy-N-[2-(1-methyl-2-pyrrolidinyl)ethyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

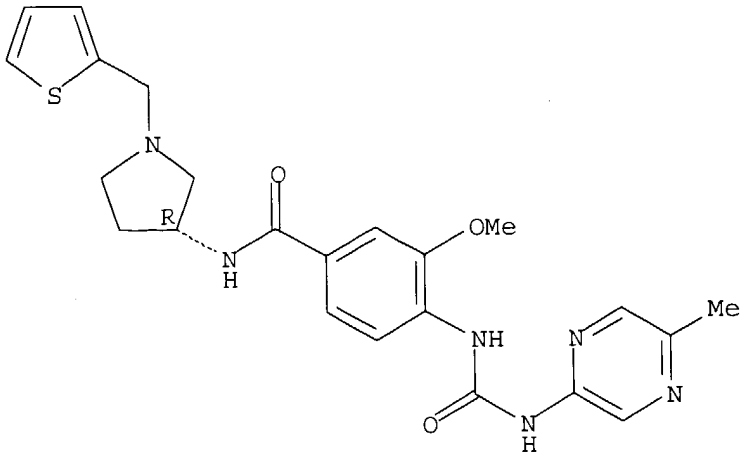


RN 457099-98-8 CAPLUS
CN Benzamide, 3-methoxy-N-[2-[(methylsulfonyl)amino]ethyl]-4-[[(pyrazinylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 458523-51-8 CAPLUS
CN Benzamide, 3-methoxy-4-[[[(5-methylpyrazinyl)amino]carbonyl]amino]-N-[(3R)-1-(2-thienylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB Aryl- and heteroaryl substituted urea compds. (W'NHC(:Y')N(R13)Z'; 1) useful in the treatment of diseases and conditions related to DNA damage or lesions in DNA replication are disclosed. In 1, W' is a six-membered aromatic ring containing at least 2 nitrogen atoms (e.g. pyrazinyl, pyrimidinyl, pyridazinyl, 1,2,4-triazinyl, quinoxalinyl) and optionally substituted as defined in the claims, Z' is a five- or six membered aromatic or heteroarom. ring as defined in the claims, Y' is O or S. The first claim contains a much more general formula WX1C(:Y)X2Z (e.g. X1 = null, O, S, CH2, NR1; X2 = O, S, NR1) but emphasis is on 1. Methods of making the compds., and their use as therapeutic agents, for example, in treating cancer and other diseases characterized by defects in DNA replication, chromosome segregation, or cell division also are described. Although the methods of preparation are not claimed, about 200 example prepns. are included. N-(2-methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea and N-(4-chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea enhanced the killing of various human cells by 5-fluorouracil from 2- to 10-fold; in HeLa cells, these same compds. enhanced killing by irradiation 2-3 fold.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.19	160.82
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.69	-0.69

FILE 'CAOLD' ENTERED AT 08:05:17 ON 14 MAY 2004
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate

substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> s l2 sss full
L4 0 L2

=> file marpat

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	161.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.69

FILE 'MARPAT' ENTERED AT 08:05:34 ON 14 MAY 2004
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FILE CONTENT: 1988-PRESENT (VOL 140 ISS 19)(20040507/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6716820 06 APR 2004
DE 20315397 01 APR 2004
EP 1403358 31 MAR 2004
JP 2004107291 08 APR 2004
WO 2004029058 08 APR 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s l1 sss full
FULL SEARCH INITIATED 08:05:42 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED - 5532 TO ITERATE

90.0% PROCESSED 4977 ITERATIONS 5 ANSWERS

100.0% PROCESSED 5532 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.31

L5 7 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	109.42	270.66

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.69

FILE 'CAPLUS' ENTERED AT 08:06:21 ON 14 MAY 2004
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FILE COVERS 1907 - 14 May 2004 VOL 140 ISS 21
FILE LAST UPDATED: 13 May 2004 (20040513/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l5
L6 7 L5

=> d l6 fbib hitstr abs total

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:991345 CAPLUS
DN **140:42216**
TI Preparation of phenol or phenyl acetate derivatives for treatment of allergic diseases
IN Muto, Susumu; Itai, Akiko
PA Institute of Medicinal Molecular Design. Inc., Japan
SO PCT Int. Appl., 418 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

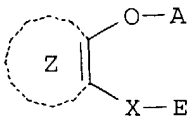
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003103665	A1	20031218	WO 2003-JP7120	20030605

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2002-165148 A 20020606

OS MARPAT 140:42216
GI



I

AB The title compds. I [wherein X = a connecting group; A = H or acetyl; E = (un)substituted aryl or heteroaryl; ring Z = (un)substituted arene or heteroarene] and pharmaceutically acceptable salts, hydrates, and solvates thereof are prepared for the treatment of allergic diseases, endometriosis, and/or hysteromyoma (no data). A total of .apprx.500 I including N-phenylhydroxybenzamides (N-phenylsalicylamide), N-heterocyclylhydroxybenzamides, N-phenylhydroxycarbazolecarboxamides, N-phenylhydroxynaphthalenecarboxamides, N-phenylhydroxypyridinecarboxamides, N-phenylhydroxyquinoxalinecarboxamide, and N-phenylhydroxyindolecarboxamide were prepared The compds. I exhibited inhibitory activities against IgE production, cell proliferation, and cell degranulation.
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:971881 CAPLUS
DN **140:16750**
TI Preparation of diarylureas as Chk-1 kinase inhibitors for the treatment of cancer
IN Boyle, Robert George; Imogai, Hassan Julien; Cherry, Michael
PA Millennium Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 83 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003101444	A1	20031211	WO 2003-US16677	20030528
	WO 2003101444	C1	20040226		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				US 2002-384207PP	20020529
				US 2002-432796PP	20021212
	US 2004014765	A1	20040122	US 2003-446627	20030528
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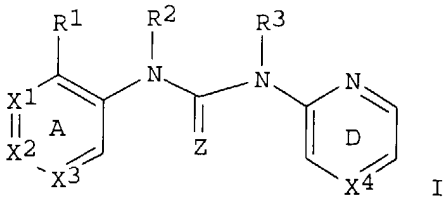
				US 2002-432796PP	20021212

OS MARPAT 140:16750
GI



I

AB Disclosed are novel diarylurea inhibitors of Chk-1 (shown as I; variables defined below; e.g. 1-[5-chloro-2-(3-dimethylaminopropoxy)phenyl]-3-pyrazin-2-ylurea) and methods of using the same for treatment of cancer. Although the methods of preparation are not claimed, .apprx.40 example prepns. are included. For example, 1-[5-chloro-2-(2-dimethylaminoethoxy)phenyl]-3-pyrazin-2-ylurea was prepared starting from 2-amino-4-chlorophenol and N-(2-chloroethyl)dimethylamine hydrochloride to give [5-chloro-2-(2-dimethylaminoethoxy)phenyl]amine (72 %) followed by its reaction with pyrazine-2-carbonyl azide (prepared from pyrazine-2-carboxylic acid and diphenylphosphoryl azide (78 %)) with 83 % yield. Inhibitory activity towards Chk-1 kinase is tabulated for .apprx.30 examples of I, e.g. IC50 = 0.0025 μM for 1-[2-(3-aminopropoxy)-5-chlorophenyl]-3-pyrazin-2-ylurea. The ability of .apprx.11 examples of I to enhance the DNA damaging ability of camptothecins, 5-fluorouracil or etoposid is tabulated; e.g. 2.7-fold enhancement for 78 nM 1-[5-chloro-2-(3-aminopropoxy)phenyl]-3-(5-methylpyrazin-2-yl)urea. For I: X1-X3 = CH or N, provided that X1-X3 are not all N; X4 is CH or N; Z is O, S, or N-CN; Ring A is (un)substituted at any substitutable C by R4; R1 is -T-NH2, -V-T-NH2, -T-NHRx, -V-T-NHRx; T is a C1-6 straight or branched alkylidene chain that is optionally interrupted by -O-, -S-, -N(R5)-, -S(O)-, -SO2-, -C(O)-, -OC(O)-, -N(R5)C(O)-, -C(O)N(R5)-, -SO2N(R5)-, or -N(R5)SO2-, wherein the alkylidene chain or a portion thereof is optionally part of a 3-6 membered ring system. V is -O-, -S-, -N(R5)-, -S(O)-, -SO2-, -C(O)-, -OC(O)-, -N(R5)C(O)-, -C(O)N(R5)-, -SO2N(R5)-, or -N(R5)SO2-; R2 and R3 = H, C1-6-alkyl (un)substituted with -N(R8)2, -C(O)R, -CO2R, or SO2R, or R2 and R3 taken together with their intervening atoms form an (un)substituted 5-6 membered ring; each R4 = halo, -OR, -SR, -CN, -NO2, -N(R5)2, -N(R5)C(O)R, -N(R5)CO2R, -N(R5)C(O)N(R5)2, -C(O)N(R5)2, -C(O)R5, -OC(O)N(R5)2, -CO2R, -SO2R, -S(O)R, -SO2N(R5)2, -N(R5)SO2R, or an (un)substituted C1-8 aliphatic, aryl, aralkyl, heterocyclyl, heterocyclealkyl, heteroaryl, or heteroaralkyl, or two ortho R4s, taken together with the ortho C atoms to which they are bonded, form an (un)substituted five or six membered Ph, pyridyl or heterocyclyl fused to Ring A. Each R5 = H, C1-6 aliphatic, -CO2R, -SO2R, or -C(O)R, or two R5 on the same N taken together with the N form a 5-8 membered heteroaryl or heterocycle ring having 1-4 heteroatoms = N, O, or S; each R8 = a C1-3-alkyl or, taken together with the N atom to which they are bonded, a 5-7 membered N containing heterocycle; Ring D is (un)substituted by C1-4 aliphatic or haloaliph., -OR7, -SR7, -C(O)R7, -CO2R7, -SO2R7, -CN, -C(O)N(R7)2, -N(R7)C(O)(C1-2-alkyl), or -N(R7)2 and is optionally fused to an (un)substituted Ph or (un)substituted cyclohexyl ring; each R7 = H or an (un)substituted C1-3 aliphatic or -N(R7)2 is a N-containing heterocyclyl; each R = H or an (un)substituted C1-6 aliphatic, aryl,

aralkyl, heteroaryl, or heteroaralkylbutyl; and Rx is C1-C8 alkyl.
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:695962 CAPLUS
DN **137:232680**
TI Preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication
IN Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John Joseph; Cook, Adam Wade; Cowen, Scott Douglas; Burgess, Laurence Edward
PA Icos Corporation, USA
SO PCT Int. Appl., 236 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002070494	A1	20020912	WO 2002-US6452	20020301
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2001-273124PP	20010302
US 2003069284	A1	20030410	US 2002-87715	20020301
			US 2001-273124PP	20010302
EP 1379510	A1	20040114	EP 2002-728396	20020301
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			US 2001-273124PP	20010302
			WO 2002-US6452 W	20020301
NO 2003003858	A	20031010	NO 2003-3858	20030901
			US 2001-273124PP	20010302
			WO 2002-US6452 W	20020301

OS MARPAT 137:232680
AB Aryl- and heteroaryl substituted urea compds. (W'NHC(:Y')N(R13)Z'; 1) useful in the treatment of diseases and conditions related to DNA damage or lesions in DNA replication are disclosed. In 1, W' is a six-membered aromatic ring containing at least 2 nitrogen atoms (e.g. pyrazinyl, pyrimidinyl, pyridazinyl, 1,2,4-triazinyl, quinoxalinyl) and optionally substituted as defined in the claims, Z' is a five- or six membered aromatic or heteroarom. ring as defined in the claims, Y' is O or S. The first claim contains a much more general formula WX1C(:Y)X2Z (e.g. X1 = null, O, S, CH2, NR1; X2 = O, S, NR1) but emphasis is on 1. Methods of making the compds., and their use as therapeutic agents, for example, in treating cancer and other diseases characterized by defects in DNA replication, chromosome segregation, or cell division also are described. Although the methods of preparation are not claimed, about 200 example prepns. are included. N-(2-methoxy-5-methylphenyl)-N'-(2-pyrazinyl)urea and N-(4-chloro-2-methoxyphenyl)-N'-(2-pyrazinyl)urea enhanced the killing of various human

cells by 5-fluorouracil from 2- to 10-fold; in HeLa cells, these same compds. enhanced killing by irradiation 2-3 fold.
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:457050 CAPLUS
DN **133:79374**
TI Aromatic heterocyclic compounds as thrombin or factor Xa inhibitors
IN Lam, Patrick Yuk Sun; Clark, Charles G.; Li, Hui Yin; Pinto, Donald J. P.
PA Du Pont Pharmaceuticals Co., USA
SO PCT Int. Appl., 121 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039108	A1	20000706	WO 1999-US30512	19991222
	W: AL, AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1140871	A1	20011010	US 1998-113627PP EP 1999-967485	19981223 19991222
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	US 6369227	B1	20020409	US 1998-113627PP WO 1999-US30512W US 1999-469830	19981223 19991222 19991222
	US 6403583	B1	20020611	US 1998-113627PP US 1999-469835	19981223 19991222
	JP 2002537227	T2	20021105	US 1998-113627PP JP 2000-591019	19981223 19991222
	US 2002115854 US 6602871	A1 B2	20020822 20030805	US 1998-113627PP WO 1999-US30512W US 2001-7195	19981223 19991222 20011204
	US 6500855 US 2003004344	B1 A1	20021231 20030102	US 1998-113627PP US 1999-469831 B1 US 2002-33137	19981223 19991222 20020102

PATENT FAMILY INFORMATION:
FAN 2000:456883

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000038683	A1	20000706	WO 1999-US30737	19991221
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				WO 1999-US30737W	19991221
	EP 1058549	A1	20001213	EP 1999-967554	19991221
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				WO 1999-US30737W	19991221
	US 6369227	B1	20020409	US 1999-469830	19991222
				US 1998-113627PP	19981223
	US 6403583	B1	20020611	US 1999-469835	19991222
				US 1998-113627PP	19981223
	US 2002115854	A1	20020822	US 2001-7195	20011204
	US 6602871	B2	20030805		
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				US 1999-469830 A3	19991222

FAN 2000:457044

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000039102	A1	20000706	WO 1999-US30735	19991221
W: AL, AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
			US 1998-113627PP	19981223
EP 1140862	A1	20011010	EP 1999-965337	19991221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
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			WO 1999-US30735W	19991221
US 6369227	B1	20020409	US 1999-469830	19991222
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US 6403583	B1	20020611	US 1999-469835	19991222
			US 1998-113627PP	19981223
US 2002115854	A1	20020822	US 2001-7195	20011204
US 6602871	B2	20030805		
			US 1998-113627PP	19981223
			US 1999-469831 B1	19991222
US 6500855	B1	20021231	US 2002-33137	20020102
US 2003004344	A1	20030102		
			US 1998-113627PP	19981223
			US 1999-469830 A3	19991222

OS MARPAT 133:79374

AB This invention relates generally to inhibitors of trypsin-like serine protease enzymes, especially factor Xa or thrombin, pharmaceutical compns. containing the same, and methods of using the same as anticoagulant agents for treatment and prevention of thromboembolic disorders.

L6 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1997:783653 CAPLUS

DN **128:48065**

TI Preparation of 2-naphthoylguanidines as sodium proton exchanger inhibitors.

IN Brendel, Joachim; Kleemann, Heinz-Werner; Englert, Heinrich Christian; Lang, Hans Jochen; Schwark, Jan-Robert; Weichert, Andreas; Lal, Bansi

PA Hoechst A.-G., Germany
SO Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 810206	A1	19971203	EP 1997-108013	19970516
	EP 810206	B1	20001227		
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				DE 1996-19621483A	19960529
	IN 182114	A	19990102	IN 1996-BO205	19960412
				DE 1996-19621483A	19960529
	DE 19621483	A1	19971204	DE 1996-19621483	19960529
	PL 185754	B1	20030731	PL 1997-318723	19970228
				DE 1996-19621483A	19960529
	US 6087304	A	20000711	US 1997-857631	19970516
				DE 1996-19621483A	19960529
	AT 198320	E	20010115	AT 1997-108013	19970516
				DE 1996-19621483A	19960529
	ES 2154002	T3	20010316	ES 1997-108013	19970516
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	PT 810206	T	20010629	PT 1997-108013	19970516
				DE 1996-19621483A	19960529
	AU 9723645	A1	19971204	AU 1997-23645	19970527
	AU 710065	B2	19990916		
				DE 1996-19621483A	19960529
	CN 1167759	A	19971217	CN 1997-113187	19970527
				DE 1996-19621483A	19960529
	TW 416944	B	20010101	TW 1997-86107120	19970527
				DE 1996-19621483A	19960529
	HR 970292	B1	20010831	HR 1997-970292	19970527
				DE 1996-19621483A	19960529
	SK 282020	B6	20011008	SK 1997-670	19970527
				DE 1996-19621483A	19960529
	IL 120924	A1	20020310	IL 1997-120924	19970527
				DE 1996-19621483A	19960529
	CA 2206366	AA	19971129	CA 1997-2206366	19970528
				DE 1996-19621483A	19960529
	NO 9702433	A	19971201	NO 1997-2433	19970528
				DE 1996-19621483A	19960529
	ZA 9704665	A	19971201	ZA 1997-4665	19970528
				DE 1996-19621483A	19960529
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				DE 1996-19621483A	19960529
	RU 2190600	C2	20021010	RU 1997-109003	19970528
				DE 1996-19621483A	19960529
	BR 9703338	A	19980818	BR 1997-3338	19970530
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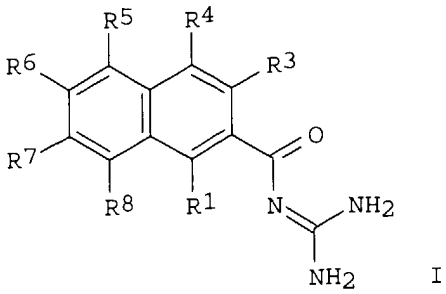
OS MARPAT 128:48065
GI



I

AB Title compds. [I; ≥1 of R1, R3, R4, R5, R6, R7, R8 = XYaWZ, etc.; X = O, S, NR10, CR11R12; R10, R11, R12, R14, R20 = H, alkyl, perfluoroalkyl, cycloalkyl; Y = (heteroatom- or phenylene-interrupted) alkylene; a = 0, 1; W = CH2, SO2, SONH, O, NR14; Z = COR15, SO2R15, NR16R17; R15 = N:C(NH2)2, NR18R19, OR20, etc.; R16, R17, R18, R19 = H, alkyl, perfluoroalkyl; R16R17, R18R19 = (heteroatom-interrupted) alkylene; the rest of R1, R3, R4, R5, R6, R7, R8 = H, F, Cl, Br, iodo, cyano, NO2, CF3, Et, etc.; with provisos], were prepared as antiarrhythmics with cardioprotective activity (no data). Thus, Me 6-hydroxy-2-naphthoate in DMF was treated with NaOMe and then with diethylaminoethyl chloride to give Me 6-(2-diethylaminoethoxy)-2-naphthoate. This was saponified and the acid was condensed with guanidine using CDI to give 6-(2-diethylaminoethoxy)-2-naphthoylguanidine dihydrochloride.

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:684401 CAPLUS
DN **127:346304**
TI Preparation of pyridinioarylcarbamoylindoline derivatives as serotonin receptor antagonists.
IN Bromidge, Steven Mark
PA Smithkline Beecham Plc, UK; Bromidge, Steven Mark
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9737989	A1	19971016	WO 1997-EP1611	19970326
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
				GB 1996-7219 A	19960404
	EP 891348	A1	19990120	EP 1997-915465	19970326
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
				GB 1996-7219 A	19960404
				WO 1997-EP1611 W	19970326
	JP 2001508399	T2	20010626	JP 1997-535805	19970326
				WO 1997-EP1611 W	19970326
	US 6028085	A	20000222	US 1998-155589	19980930
				GB 1996-7219 A	19960404
				WO 1997-EP1611 W	19970326

OS MARPAT 127:346304
AB (R1)nP1A[P2(R2)m]NR3COR4 [R1, R2 = H, (substituted) alkyl; R3 = H, alkyl; R4 = (substituted) N-bonded bicycloheterocyclyl, aminopyrazinyl, aminopyridinyl, aminophenyl, etc.; P1, P2 = Ph, heterocyclyl containing a

quaternary N atom; A = bond, chain of 1-5 atoms (substituted) phenylene, heterocyclylene; n, m = 0-2], were prepared as 5-HT2B/5-HT2C antagonists with increased solubility/activity (no data). Thus, 5-methoxy-6-trifluoromethyl-1-[3-fluoro-5-(pyridin-3-yl)phenylcarbamoyl]indoline in MeCN was treated with sodium tetraphenylboron and bromomethyl acetate followed by 4 h reflux to give a tetraphenylborate salt which was subjected to ion exchange to give 100% 5-methoxy-6-trifluoromethyl-1-[3-fluoro-5-[1-(acetyloxy)methylpyridinium-3-yl]phenylcarbamoyl]indoline chloride.

L6 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:596172 CAPLUS
DN **125:247613**
TI Preparation of indolines as 5-HT2B/2C receptor antagonists
IN Gaster, Laramie Mary; Wyman, Paul Adrian; Mulholland, Keith Raymond; Davies, David Thomas; Duckworth, David Malcom; Forbes, Ian Thomson; Jones, Graham Elgin
PA Smithkline Beecham Plc, UK
SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9623783	A1	19960808	WO 1996-EP368	19960126
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	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE				
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				GB 1995-8967	A 19950503
				GB 1995-16845	A 19950817
				GB 1995-17542	A 19950826
				GB 1995-18574	A 19950912
				WO 1996-EP368	W 19960126
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			GB 1995-16845 A 19950817
			GB 1995-17542 A 19950826
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EP 808312	A1	19971126	EP 1996-902259 19960126
EP 808312	B1	20001102	
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RO 115522	B3	20000330	RO 1997-1439 19960126
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			WO 1996-EP368 W 19960126
AT 197300	E	20001115	AT 1996-902259 19960126
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US 2003105139	A1	20030605	US 2001-767245 20010122
US 6638953	B2	20031028	
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			GB 1995-18574 A 19950912
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OS CASREACT 125:247613; MARPAT 125:247613

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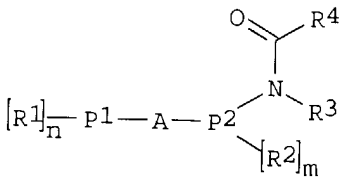

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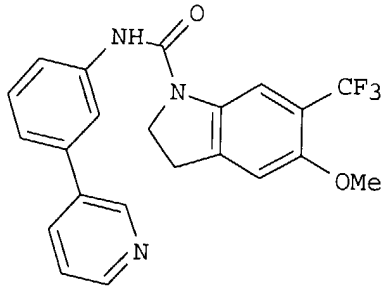

II

AB The title compds. [I; P1, P2 = Ph, aromatic or partially saturated monocyclic or bicyclic heterocyclic ring; A = bond, (substituted) C1-5 alkylene, etc.; R1, R2 = H, (substituted) C1-6 alkyl, C2-6 alkenyl, etc.; R3 = H, C1-6 alkyl; R4 = 1-indolinyl, etc.; n, m = 0-2], useful in the treatment of CNS disorders such as anxiety, were prepared Thus, treatment of 3-(3-pyridyl)aniline with 1,1-dicarbonyldiimidazole in CH2Cl2 followed by reaction of the intermediate with 5-methoxy-6-trifluoromethylindoline in DMF afforded 85% the indoline II which showed pKi of 5.8-9.7 against [3H]-mesulergine binding to rat or human 5-HT2C clones expressed in 293 cells in vitro.

=> log y

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	25.40	296.06

	SINCE FILE ENTRY	TOTAL SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	-4.85	-5.54

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